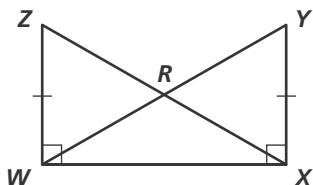


Practice 4-7

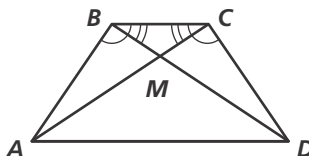
Using Corresponding Parts of Congruent Triangles

Name a pair of overlapping congruent triangles in each diagram. State whether the triangles are congruent by SSS, SAS, ASA, AAS, or HL.

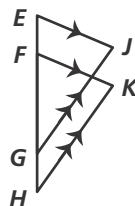
1. Given: $\overline{ZW} \cong \overline{XY}$, $\angle YXW$ and $\angle ZWX$ are right \angle s



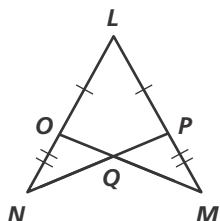
2. Given: $\angle ABC \cong \angle DCB$, $\angle CBD \cong \angle BCA$



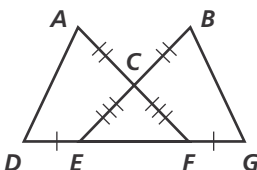
3. Given: $\overline{EJ} \parallel \overline{FK}$, $\overline{GJ} \parallel \overline{HK}$, $\overline{EG} \cong \overline{HF}$



4. Given: $\overline{LP} \cong \overline{LO}$, $\overline{PM} \cong \overline{ON}$



5. Given: $\overline{DE} \cong \overline{FG}$, $\overline{AC} \cong \overline{CB}$, $\overline{EC} \cong \overline{FC}$

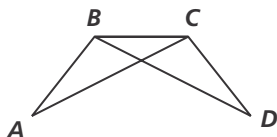


6. Given: $\angle YUV \cong \angle XVU$, $\angle WUV \cong \angle WVU$

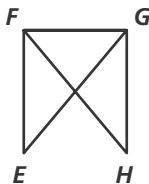


Separate and redraw the indicated triangles. Identify any common angles or sides.

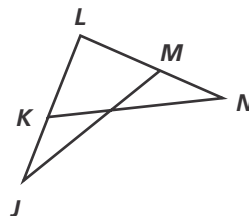
7. $\triangle ABC$ and $\triangle DCB$



8. $\triangle EFG$ and $\triangle HGF$

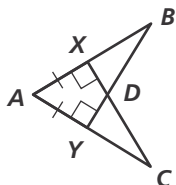


9. $\triangle JML$ and $\triangle NKL$



Write a two-column proof, a paragraph proof, or a flow proof.

10. Given: $\overline{AX} \cong \overline{AY}$, $\overline{CX} \perp \overline{AB}$, $\overline{BY} \perp \overline{AC}$
Prove: $\triangle BYA \cong \triangle CXA$



11. Given: $\overline{FH} \cong \overline{GE}$, $\angle HFG \cong \angle EGF$
Prove: $\triangle GEH \cong \triangle FHE$

